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County of Renfrew

Education Committee



10. MEDICAL
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10. MEDICAL
OXFORD

TWENTY-NINTH

ANNUAL REPORT

On Medical Inspection, Supervision,
and Treatment of School Children,

for the

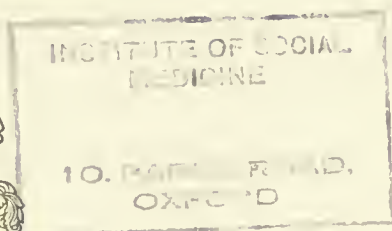
Year Ended 31st July, 1948

PRINTED BY

PAISLEY: ALEXANDER GARDNER, LIMITED.

County of Renfrew

Education Committee



TWENTY-NINTH

ANNUAL REPORT

On Medical Inspection, Supervision,
and Treatment of School Children,

for the

Year Ended 31st July, 1948

PRINTED BY

PAISLEY: ALEXANDER GARDNER, LIMITED.

*To the Chairman and Members of the Education Committee
of the County Council of the County of Renfrew.*

LADIES AND GENTLEMEN,

I have the honour to present the Annual Report on Medical Inspection, Supervision, and Treatment of School Children in the County of Renfrew for the year ended 31st July, 1948. The Report has been prepared by the Chief Executive School Medical Officer, and is compiled in accordance with the revised form set out in Part II. of the Appendix to Circular N.M. & C. No. 60/1938.

I am,

Your faithfully,

J. S. M. GRAY,
County Medical Officer.

LIST OF STAFF.

Chief Administrative School Medical Officer—J. S. M. Gray, M.B., D.P.H.

(a) Whole-time School Service.

Chief Executive School Medical Officer—C. D. Rankin, M.D., D.P.H.

School Medical Officers—

E. T. Guild, M.B., D.P.H. (Res. 30/6/48).	D. B. M'Millan, M.A., B.Sc., M.B.
--	-----------------------------------

Chief Dental Officer—A. M. Marshall, L.D.S.

School Dental Officers—

E. R. Sloan, L.D.S.	J. Muir, L.D.S.
M. Paterson, L.D.S.	D. Dowie, L.D.S.
C. Stewart, L.D.S.	M. Cunningham, L.D.S.
W. Chrystie, L.D.S. (Res. 15/10/47).	A. Russell, L.D.S.
J. Wright, L.D.S.	G. Chrystie, L.D.S. (App. 29/12/47).

School Nurses—

E. Robb.	M. M'Callum.	D. Buck
M. Fulton.	M. Cherry.	(App. 16/12/47).
J. MacInnes.	I. Hughes	F. Patrick
D. Hally.	(Res. 30/8/47).	(App. 15/12/47).

Physiotherapist—E. D. Baird, M.C.S.P. (App. 5/4/48).

Clerks—

C. M'Lelland.	I. Boyle	E. Stewart.
M. Rankin.	(Res. 31/1/48).	M. MacKinnon
	B. Love.	(App. 2/2/48).

Clinic Attendants—

E. Mason.	A. Wright.	R. Brown
C. Wade.	S. Donald.	(App. 14/6/48).

Dental Clinic Attendants—

J. Stewart.	E. Muggins.	L. Smith
A. Glancey.	A. M'Tavish.	(Res. 31/12/47).
C. M'Gonigle.	J. Ferguson.	A. Colquhoun.
M. Lowson.	R. Morrow.	M. Donaldson
		(App. 2/2/48).

(b) Part-time School Service.*Specialist Medical Officers—**Oculist*—J. Boyd Adams, M.B., D.P.H.*Aurist*—J. C. Watt, M.B.*Dermatologist*—R. W. Carslaw, M.D.*Orthopædist*—A. Miller, F.R.C.S.(E.). (App. 10/9/47).*School Medical Officers—*

G. J. Sturrock, M.B., D.P.H.

G. M'Lintock, M.D., D.P.H.

A. F. Dickson, M.B., D.P.H.

K. Miller, M.B.

School Nurses—

M. Baillie.

M. Thomson.

B. M'Inch

A. Gordon.

A. Taylor

(App. 25/9/47).

M. Hogarth

(Res. 30/11/47).

(Res. 18/8/48).

(Ret. 18/4/48).

H. M'Culloch

J. Brown

I. MacFarlane

(Res. 15/11/47).

(15/1/48).

(Ret. 31/10/47).

M. Robb.

M. Gibson

J. Stephen.

I. Craig

(App. 22/12/47).

M. Canfield.

(Res. 4/11/47).

E. O'Neill

E. Paul.

M. Kennedy.

(App. 5/1/48).

W. Callan.

J. Rae

I. Beaton

M. Maclean.

(App. 10/11/47).

(App. 5/7/48).

J. Frederick.

M. Power

C. Innes.

(App. 2/2/48).

Clinic Attendants—

Mrs. Rew.

S. Gardiner.

D. Arnott

Mrs. Robertson

A. Doyle.

(App. 15/9/47).

(Res. 20/9/47).

The Routine Medical Inspection of all the age-groups, viz., entrants, 9 years, 13 years, and 16 years, has been accomplished, and in addition the children attending the Nursery Schools.

SANITARY CONDITIONS OF SCHOOLS.

Reports of the sanitary conditions of the schools have been placed in the hands of the Master of Works. These reports were completed by the School Medical Officers, and when possible the recommendations will be attended to as opportunities arise. There are no serious conditions to record, but there are still too many out-of-date buildings, unfortunately in existence, which cannot be replaced owing to the present difficulties.

The general sanitary conditions are satisfactory, and the cleansing of schools is well carried out in accordance with the Authority's cleansing regulations.

ORGANISATION AND ADMINISTRATION.

These were fully detailed in the Report for 1945-46.

The general health and nourishment of the children show no deterioration. The heights and weights are well maintained, but there is still abundant evidence of neglect of cleanliness of heads, particularly of the 9-year-old group. In spite of all that is done for them by the Nurses in the Clinics, children are being re-infected in their own homes. Body lice and fleas have almost been exterminated, but I think the time has come for a national publicity campaign against these infestations. Nothing less will suffice.

The increase of the Dental Staff from 5 to 10 has enabled a great extension of the dental treatment to be carried out during the year. Details are given in Table V.

The Orthopædic Surgeon and the Physiotherapist have now completed their first year's work, and full details are given in a table in this Report.

The Dermatologist's Clinic has been greatly taken advantage of, and many cases are now being seen and prescribed for in the pre-school ages.

859 home visits were made by the Nurses during the year.

The Special Schools continue to do good work for the handicapped children, and during the year 21 physically handicapped children have been rendered fit to return to the ordinary school. At Glenburn, Greenock, the continued want of the use of the manual room, which is still occupied by the School Management Committee, is acutely felt.

I desire to record my thanks to the staff of the School Health Service for their whole-hearted support and constant attention to the duties required of them.

C. D. RANKIN,
Chief Executive School Medical Officer.

2. GENERAL STATISTICS.

Population of the area, ...	...	...	...	...	303,000
Number of Schools—					
(a) Primary, under Education Authority, ...	...				45
(b) Secondary, ,,	,,	,,	...	...	39
(c) (i) Special Schools, ...	...	...	...	...	8
(ii) Special classes in ordinary schools, ...	...				—
(d) In receipt of grant from Education Authority and under Medical Inspection, ...	...	...			—
Number of children on the registers, ...	...	...			49,776
Number of children in average attendance, ...	...				45,827

5. FINDINGS OF MEDICAL INSPECTION.

No. Examined—13,408

			No. Defects	%age	Special Cases
1. CLOTHING—					
Unsatisfactory	...	...	53	0.39	377
2. FOOTGEAR—					
Unsatisfactory	...	...	48	0.36	154
3. UNCLEANLINESS—					
(a) Head	...	...	1,180	8.80	7,035
(b) Body	...	...	74	.55	564
4. SKIN—					
(a) Head—					
Ringworm...	...	...	7	0.05	9
Impetigo	...	...	65	0.48	206
Other Diseases	...	...	63	0.46	139
(b) Body—					
Ringworm	...	...	6	0.04	9
Impetigo...	...	...	20	0.15	128
Scabies	...	...	31	0.23	108
Other Diseases	...	...	154	1.16	418
5. NUTRITIONAL STATE—					
Slightly defective	...	...	199	1.48	} 43
Bad	...	...	5	0.04	
6. MOUTH AND TEETH—					
Unhealthy	...	...	477	3.55	33
7. NASO-PHARYNX—					
(a) Nose—					
(i) Obstruction, requiring observation	...	...	107	0.79	} 43
(ii) Obstruction (probably adenoids), requiring operative treatment			167	1.24	
(iii) Other Conditions	...	...	124	0.92	
(b) Throat—					
(i) Tonsils requiring observation	...	...	941	7.02	} 538
(ii) Tonsils requiring operative treatment			555	4.13	
(c) Glands—					
(i) requiring observation			357	2.66	} 26
(ii) requiring operative treatment	...	...	27	0.20	

		No. Defects	%age	Special Cases	
8. EYES—					
(a) External Diseases—					
Blepharitis	209	1.55	}	275	
Conjunctivitis	46	0.34			
Corneal Opacities	27	0.20			
Strabismus... ..	249	1.85			
Other Diseases	45	0.33			
(b) Visual Acuity—					
No. examined—8, 757					
With Glasses—					
Good	131	1.49	}	1,623	
Fair	51	0.58			
Bad	30	0.34			
Without glasses—					
Good	7, 542	86.01	}		
Fair	835	9.52			
Bad	168	1.91			
Recommended for refraction	68	0.51			
9. EARS—					
(a) Diseases—			}	185	
Otorrhœa	98	0.73			
Other Diseases	26	0.19			
(b) Defective Hearing—					
Grade I	18	0.13	}	64	
Grade IIa	1	0.01			
Grade IIb	2	0.01			
Grade III	—	—			
10. SPEECH—					
Defective Articulation	33	0.24	}	51	
Stammering	8	0.05			
11. MENTAL AND NERVOUS CONDITION—					
(a) Backward (due to irregular attendance, absence or other extrinsic cause	8	0.05	}	7	
(b) Dull (intrinsically)	3	0.02			
(c) Mentally defective (educable)	3	0.02			
(d) Mentally defective (ineducable)	2	1			
(e) Highly nervous or unstable	22	0.16			
(f) Difficult in behaviour	3	0.02			

	No. Defects	%age	Special Cases
12. CIRCULATORY SYSTEM—			
(a) Organic Heart Disease—			
(i) Congenital	26	0·19	} 55
(ii) Acquired	38	0·28	
(b) Functional Heart Disease	47	0·35	
13. LUNGS—			
Chronic Bronchitis	107	0·79	} 8
Suspected Tuberculosis	30	0·22	
Other Diseases	146	1·08	
14. DEFORMITIES—			
(a) Congenital... ..	20	0·15	} 21
(b) Acquired (Inf. Paralysis)	4	0·03	
(c) Acquired (prob. Rickets)	27	0·20	
(d) Acquired (other causes)	25	0·18	
15. INFECTIOUS DISEASE...	9	0·07	15
16. OTHER DISEASES OR DEFECTS	145	1·08	300

Table showing cases examined at Inspection Clinic.

Examined for Schools for Physically and Mentally Handicapped—

Mentally Handicapped,	74
Physically Handicapped,	37
Deaf,	8
Sight-Saving,	4
Blind,	2

Examined for Approved Schools, 71

In co-operation with M.O.H:—

Suspected Tuberculosis,	25
--------------------------------	----

In Schools for Mentally and Physically Handicapped—

Mentally Handicapped,	346
Physically Handicapped,	476
Blind, Myope, Deaf-Mute,	92
Tonsils and Adenoids,	149
Diseases of Ear, Nose, and Throat,	394
" " Skin,	1,186
" " Eye,	222
" " Nervous System,	19
" " Alimentary System,	41
" " Heart,	101
" " Lungs,	138
" " Kidneys... ..	7
" " Mouth and Teeth,	28
Epilepsy,	9
Defective Speech,	17
" Vision,	4
Debility,	271
Rheumatism,	58
Sun Ray	4
Glands,	113
Suspected Infectious Disease,	34
Orthopoeedic Cases,	29
Referred Medical Specialist	2
Referred Surgical Specialist	11
Referred Child Guidance Clinic	15
For School Management Committee,	86
Eneuresis,	47
Minor Surgical Conditions,	147
For Convalescent Homes,	3
Paralysis	1
Diseases of Bone,	9
Others,	155
Total,	<u>4,435</u>

Table I.

Total number of children examined at :—

(a) Systematic Examinations,

Entrants, ...	...	...	...	...	...	...	4,651
Born 1938,	...	...	...	...	...	...	4,500
Born 1934,	...	...	...	...	...	...	4,002
Born 1931,	...	...	...	...	...	...	255
Total,							<hr/> 13,408 <hr/>

(b) Other Examinations,

Nursery Schools,	...	...	...	...	...	...	76
Special cases,	...	...	...	...	...	...	30,026
Re-inspections by Medical Officer,	...	...	...	...	...	...	3,511
Total,							<hr/> 33,613 <hr/>

Number of individual children inspected at Systematic examinations, who were notified to parents as requiring treatment (excluding uncleanliness and dental caries):—

All age groups,	3,241
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Total Examined at All Ages 13,408	Entrants				Born 1938				Born 1934				Born 1931				All Ages			
	Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls		Boys		Girls	
	No. 2,413	% Age	No. 2,238	% Age	No. 2,315	% Age	No. 2,185	% Age	No. 2,028	% Age	No. 1,974	% Age	No. 134	% Age	No. 121	% Age	No. 6,890	% Age	No. 6,518	% Age
1. CLOTHING— Unsatisfactory ...	6	0.24	8	0.36	13	0.56	8	0.37	14	0.69	4	0.20	—	—	—	—	33	0.48	20	0.31
2. FOOTWEAR— Unsatisfactory ...	9	0.37	8	0.36	11	0.47	9	0.41	6	0.29	4	0.20	—	—	—	—	26	0.38	21	0.32
3. UNCLEANLINESS— (a) Head ...	80	3.32	375	16.80	76	3.29	389	17.80	20	0.99	239	12.11	—	—	—	—	176	2.55	1004	15.40
(b) Body ...	19	0.79	15	0.67	14	0.60	15	0.69	8	0.39	3	0.15	—	—	—	—	41	0.60	33	0.51
4. SKIN— (a) Head—Ringworm ...	—	—	—	—	3	0.13	—	—	2	0.10	2	0.10	—	—	—	—	5	0.07	2	0.03
Impetigo ...	20	0.82	14	0.63	9	0.39	13	0.59	4	0.20	4	0.20	—	—	—	—	33	0.48	31	0.48
Other Diseases ...	14	0.58	11	0.49	10	0.44	8	0.37	7	0.34	13	0.66	—	—	—	—	31	0.45	32	0.49
(b) Body—Ringworm ...	2	0.08	2	0.09	—	—	—	—	—	—	—	—	—	—	—	—	2	0.03	4	0.06
Impetigo ...	3	0.12	3	0.13	6	0.26	3	0.14	1	0.05	3	0.15	—	—	1	0.83	10	0.15	10	0.15
Scabies ...	7	0.29	1	0.04	7	0.30	3	0.14	10	0.50	3	0.15	—	—	—	—	24	0.35	7	0.11
Other Diseases ...	29	1.20	23	1.03	38	1.64	24	1.10	23	1.13	16	0.81	—	—	—	—	91	1.32	63	0.97
5. NUTRITIONAL STATE— Slightly defective ...	37	1.53	38	1.69	40	1.73	50	2.29	19	0.94	15	0.76	—	—	—	—	96	1.39	103	1.58
Bad ...	—	—	—	—	1	0.04	3	0.14	—	—	1	0.05	—	—	—	—	1	0.01	4	0.06
6. MOUTH AND TEETH— Unhealthy ...	127	5.27	114	5.09	69	2.98	60	2.74	53	2.61	60	3.04	—	—	—	—	243	3.53	234	3.59
7. NASO-PHARYNX— (a) Nose— (i) Obst. req. observation (ii) Obst. (probably adenoids) req. operative treatment ...	40	1.66	32	1.43	21	0.91	10	0.46	4	0.20	—	—	—	—	—	—	65	0.94	42	0.64
(iii) Other conditions ...	64	2.65	47	2.10	24	1.04	18	0.82	7	0.34	7	0.35	—	—	—	—	95	1.38	72	1.10
(b) Throat— (i) Tonsils requiring observation ...	30	1.24	41	1.83	23	0.99	12	0.55	17	0.84	—	—	—	—	—	—	70	1.02	54	0.83
(ii) Tonsils requiring operative treatment ...	241	9.99	227	10.13	128	5.53	173	7.92	76	3.75	96	4.86	—	—	—	—	445	6.46	496	7.61
(c) Glands— (i) Requiring observation ...	145	6.05	118	5.27	90	3.89	106	4.85	50	2.46	46	2.33	—	—	—	—	285	4.14	270	4.14
(ii) Requiring operative treatment ...	112	4.64	85	3.80	64	2.76	57	2.61	23	1.13	16	0.81	—	—	—	—	199	2.89	158	2.42
8. EYES— (a) External Diseases— Blepharitis ...	8	0.33	2	0.09	4	0.17	1	0.04	4	0.20	7	0.35	—	—	—	—	17	0.25	10	0.15
Conjunctivitis ...	34	1.41	36	1.61	43	1.86	36	1.65	31	1.52	29	1.47	—	—	—	—	108	1.57	101	1.55
Corneal Opacities ...	15	0.62	14	0.63	8	0.34	2	0.09	3	0.15	4	0.20	—	—	—	—	26	0.38	20	0.31
Strabismus ...	73	3.03	72	3.22	29	1.25	23	1.05	18	0.89	21	1.07	—	—	—	—	12	0.17	15	0.23
Other Diseases ...	12	0.49	11	0.49	4	0.17	5	0.23	7	0.34	6	0.30	—	—	—	—	22	0.33	22	0.34

Table 11.—Contd.

Total Examined at All Ages 13,408	Entrants			Born 1938			Born 1934			Born 1931			All Ages		
	No.	% Age	Girls	No.	% Age	Girls	No.	% Age	Girls	No.	% Age	Girls	No.	% Age	Girls
(b) Visual Acuity (with glasses) —8,757—	2,413			2,315			2,028			1,334			6,890		
Good	—	—	—	28	1.21	1.23	31	1.53	40	2.03	1	0.75	60	1.34	71
Fair	—	—	—	8	0.34	0.69	14	0.69	14	0.71	—	—	22	0.49	30
Bad	—	—	—	4	0.17	0.37	6	0.29	11	0.56	—	—	10	0.22	19
Without Glasses—															
Good	—	—	—	2026	87.52	85.40	1761	86.83	1653	83.73	129	96.27	3916	87.47	3626
Fair	—	—	—	221	9.55	10.57	169	8.33	204	10.33	2	1.49	392	8.76	443
Bad	—	—	—	28	1.21	1.74	47	2.32	52	2.63	2	1.49	77	1.72	91
Recom. for refraction	9	0.37	0.27	16	0.69	0.55	13	0.64	12	0.61	—	—	38	0.85	30
9. EARS—															
(a) Diseases—Otorrhoea	22	0.91	0.76	18	0.78	0.82	7	0.34	16	0.81	—	—	47	1.05	51
Other Diseases	8	0.38	0.14	3	0.13	0.14	4	0.20	4	0.20	—	—	15	0.34	11
(b) Defective Hearing—															
Grade I	2	0.08	0.09	8	0.34	1	4	0.20	1	0.05	—	—	14	0.31	4
Grade IIa	—	—	—	—	—	0.04	—	—	—	0.05	—	—	—	—	—
Grade IIb	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Grade III	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. SPEECH—															
Defective articulation	19	0.79	0.22	4	0.17	0.09	3	0.15	—	—	—	—	26	0.58	7
Stammering	—	—	0.04	2	0.09	0.09	2	0.10	—	—	1	0.75	5	0.11	3
11. MENTAL AND NERVOUS CONDI- TION—															
(a) Backward	—	—	0.09	2	0.09	0.09	1	0.05	1	0.05	—	—	3	0.07	5
(b) Dull (intrinsically)	—	—	0.04	1	0.04	0.04	—	—	—	—	—	—	1	0.02	2
(c) Mentally defective (educable)	—	—	0.04	—	—	—	—	—	—	—	—	—	—	—	3
(d) Mentally defective (ineducable)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
(e) Highly nervous or unstable	1	0.04	—	1	0.04	—	—	—	—	—	—	—	2	0.04	—
(f) Difficult in behaviour	5	0.21	0.22	6	0.26	0.14	1	0.05	2	0.10	—	—	12	0.27	10
12. CIRCULATORY SYSTEM—															
(a) Organic Heart Disease—															
(i) Congenital	5	0.21	0.13	5	0.21	0.23	2	0.10	6	0.30	—	—	12	0.27	14
(ii) Acquired	5	0.21	0.27	7	0.30	0.18	9	0.44	7	0.35	—	—	21	0.47	17
(b) Functional Conditions	6	0.24	0.13	9	0.39	0.23	9	0.44	13	0.66	1	0.75	25	0.56	22
13. LUNGS—															
Chronic Bronchitis	34	1.41	1.16	14	0.60	0.64	13	0.64	5	0.25	1	0.75	62	1.61	45
Suspected Tuberculosis	7	0.29	0.11	10	0.44	0.23	5	0.25	2	0.10	—	—	22	0.49	8
Other Diseases	40	1.66	1.12	35	1.51	0.82	10	0.49	17	0.86	1	0.75	86	1.92	61
14. DEFORMITIES—															
(a) Congenital	3	0.12	0.27	5	0.21	0.14	2	0.10	—	—	—	—	10	0.07	1
(b) Acquired (Inf. Paralysis)	1	0.04	0.04	2	0.09	0.09	—	—	—	—	—	—	3	0.07	1
(c) Acquired (prob. Rickets)	10	0.41	0.18	7	0.30	0.09	2	0.10	2	0.10	—	—	19	0.42	8
(d) Acquired (other causes)	6	0.24	0.13	7	0.09	0.32	5	0.25	2	0.10	—	—	13	0.29	12
15. INFECTIOUS DISEASE	4	0.04	0.09	1	0.04	—	1	0.05	1	0.05	—	—	6	0.13	3
16. OTHER DISEASES OR DEFECTS	36	1.49	0.89	25	1.08	0.96	15	0.74	23	1.12	2	1.49	78	1.74	67

Classification	Entrants		Born 1938		Born 1934		Born 1931		Total	
	No. of children	% Age of the children examined in this group	No. of children	% Age of the children examined in this group	No. of children	% Age of the children examined in this group	No. of children	% Age of the children examined in this group	No. of children	% age of the children examined at systematic med. exam.
I. Children free from defects ...	2,867	61.64	2,860	63.56	2,795	69.84	223	87.45	8,745	65.22
II. Children (otherwise free from defects) who suffer from :—										
(a) Defective vision not worse than 6/12 in the better eye with or without glasses ...	7	0.15	339	7.53	328	8.20	11	4.31	685	5.11
(b) Conditions of the mouth and teeth requiring treatment ...	146	3.13	60	1.34	41	1.02	—	—	247	1.84
(c) Both (a) and (b) ...	—	—	1	0.02	7	0.17	—	—	8	0.06
Total ...	153	3.28	400	8.89	376	9.39	11	4.31	940	7.01
III. Children suffering from ailments (other than those mentioned in II) from which complete recovery is anticipated within a few weeks ...	1,469	31.58	1,058	23.51	685	17.11	9	3.53	3,221	24.02
IV. Children suffering from (or suspected to be suffering from) defect less remediable than defects specified in II or III, distinguishing cases :—										
(a) Where complete cure or restoration of function (in the case of eye defect (full corrections) is considered possible	145	3.11	159	3.53	131	3.27	11	4.31	446	3.32
(b) Where improvement only is considered possible, e.g., without complete restoration of function ...	17	0.37	23	0.51	15	0.37	1	0.40	56	0.42
Total ...	162	3.48	182	4.04	146	3.64	12	4.71	502	3.74
Total number examined	4,651	100.00	4,500	100.00	4,002	100.00	255	100.00	13,408	100.00

F. Heights (in inches)—Boys.

Average Age	5. 7/12	9. 8/12	13. 7/12	16. 7/12
Number Examined ...	2,413	2,315	2,028	134
Average Height	43.3	51.3	59.2	68.2

F. Weights (in pounds)—Boys.

Average Age	5. 7/12	9. 8/12	13. 7/12	16. 7/12
Number Examined ...	2,413	2,315	2,028	134
Average Weight	42.7	62.4	88.7	135.6

F. Heights (in inches)—Girls.

Average Age	5. 7/12	9. 7/12	13. 7/12	16. 7/12
Number Examined ...	2,238	2,185	1,974	121
Average Height	42.5	50.9	59.6	65.2

F. Weights (in pounds)—Girls.

Average Age	5. 7/12	9. 7/12	13. 7/12	16. 7/12
Number Examined ...	2,238	2,185	1,974	121
Average Weight	41.1	60.5	93.3	121.7

Table IV.

Return of all exceptional children of school age in the area.

Disability	At Ordinary Schools	At Special Schools or Classes	Total
1. Blind	—	13	13
2. Partially sighted :			
(a) Refractive errors in which the curriculum of an ordinary school would adversely affect the eye condition ...	—	42	42
(b) Other conditions of the eye	—	8	8
3. Deaf :			
Grade I	18	—	18
Grade IIa	1	—	1
Grade IIb	2	—	2
Grade 2 III	—	25	25
4. Defective Speech :			
(a) Defects of articulation requiring special educational measures	33	1	34
(b) Stammering requiring special educational measures ...	8	—	8
5. Mentally Defective (Children between 5 and 16 years) :			
(a) Educable (I.Q. approx. 50-70)	25	378	403
(b) Ineducable (I.Q. generally less than 50)	—	31	31
6. Epilepsy :			
(a) Mild and occasional ...	—	4	4
(b) Severe (suitable for care in a residential school) ...	—	1	1
7. Physically Defective (Children between 5 and 16 years) :			
(a) Non - pulmonary tuberculosis (excl. cervical glands)	—	28	28
(b) General orthopædic conditions... ..	—	28	28
(c) Organic heart disease ...	62	31	93
(d) Other causes of ill-health...	145	124	269
8. Multiple defects :			
(a) Deaf Mutes,	—	10	10
(b) Paralysis and Mentally Defective	—	30	30
(c) Paralysis, Mentally Defective and Defective Speech...	—	49	49
(d) Defective Vision and Mentally Defective	—	39	39
(e) Defective Hearing and Mentally Defective,	—	21	21

CHIEF DENTAL OFFICER'S REPORT.

The work of the dental department has proceeded with little or no change from that reported in 1947. The attendance of patients has been good, and the numbers accepting treatment satisfactory.

It is now found that the number of age-groups the present staff can inspect and treat thoroughly is five.

What change the new health service is likely to cause is still problematical. If no change occurs, our staff will require to be increased.

The usual summary showing the amount of work done will be found in the table following:—

Table V.—Dental Inspection and Treatment.

No. of children who were—			(1) Inspected by dental officers—		
			(a)	(b)	
Age.			Systematic examinations	Special and emergency	Total
5	...	...	1,809	1	1,810
6	...	...	2,633	—	2,633
7	...	...	2,876	—	2,876
8	...	...	3,124	—	3,124
9	...	...	3,112	—	3,112
10	...	...	1,185	10	1,195
11	...	...	154	22	176
12	...	...	1,201	15	1,216
13	...	...	65	10	75
14	...	...	4	1	5
15	...	...	—	—	—
Total	...	...	16,163	59	16,222
(2) Found to require treatment			14,310	56	14,366
(2a) No. accepting treatment			12,010	—	12,010
(3) Actually treated by the school dental officers...			13,680	55	13,735
(4) No. of attendances made by children for treatment			32,112	80	32,192
(5) Fillings :					
(a) Permanent teeth...			6,819	1	6,820
(b) Temporary teeth...			7,333	1	7,334
(6) Extractions :					
(a) Permanent teeth...			775	45	820
(b) Temporary teeth...			15,697	25	15,722
(7) No. of administrations of a general anaesthetic for extractions ...			—	—	—
(8) Other operations :					
(a) Permanent teeth...			1,696	6	1,702
(b) Temporary teeth...			1,112	3	1,115
(9) Half-days devoted to inspection			285	—	285
Half-days devoted to treatment			3,372	—	3,372
(10) No. of children treated under private arrangements			142	—	142

6 A. (1).—CUTS, Etc.

20

Total number of children treated 982
 Total number of attendances 2,409
 Average attendance per child 2.5

Disease	Paisley	Greenock		Barrhead	Renfrew	Johnstone	Port-Glasgow	Gourock	TOTALS
		Brymnar St	Sinclair St.						
Cuts	123	42	29	28	37	—	34	10	303
Bruises	57	5	2	3	29	2	—	—	98
Sprains	30	10	1	—	36	5	12	2	96
Minor Injuries	105	12	4	11	22	9	3	—	166
Other Conditions	111	28	15	30	1	134	—	—	319
Total Cases	426	97	51	72	125	150	49	12	982
Total Attendances	891	223	160	279	386	280	169	21	2409

6 A. (2).—DISEASES OF EAR, THROAT, AND NOSE.

21

Total number of children treated 1,952
Total number of attendances 8,354
Average attendance per child 4.2

Disease	Paisley	Greenock		Barrhead	Renfrew	Johnstone	Port-Glasgow	Gourock	TOTALS
		Brynmor Street	Sinclair Street						
Otorrhoea and Otitis Media	324	105	24	45	38	73	123	7	739
Enlarged Tonsils and Adenoids	241	345	5	12	44	42	—	1	690
Enlarged Turbinates and Deviation of Septum	2	—	—	—	2	—	—	—	4
Cerumen in Ears	26	—	—	—	33	5	—	2	66
Pharyngitis	—	—	—	6	—	—	—	—	6
Laryngitis	2	4	—	1	9	1	—	2	19
Rhinitis	11	23	1	—	1	24	—	—	60
Tonsillitis	22	6	—	14	21	25	1	1	90
Other Conditions	105	48	12	64	35	10	1	3	278
Total Cases	733	531	42	142	183	180	125	16	1,952
Total Attendances	2,315	2,049	385	835	960	974	746	90	8,354

6 A. (3).—DISEASES OF EYE.

22

Total number of children treated 901
 Total number of attendances 4,340
 Average attendance per child 4.9

Disease	Paisley	Greenock		Barrhead	Renfrew	Johnstone	Port-Glasgow	Gourock	Total
		Brymner Street	Sinclair Street						
Conjunctivitis (Simple, Purulent and Phlyctenular)	100	24	26	33	42	28	94	5	352
Corneal Ulcers	1	—	1	—	—	1	6	1	10
Blepharitis	54	54	43	11	32	40	4	5	243
Keratitis	5	1	—	—	—	—	—	—	6
Corneal Opacities	—	—	—	—	—	2	—	—	2
Hordeolum	29	—	—	14	35	39	—	4	121
Other Diseases	22	24	11	28	1	81	—	—	167
Total Cases	211	103	81	86	110	191	104	15	901
Total Attendances	821	780	371	528	703	515	512	80	4,340

Total number of children treated ... 7,532
 Total number of attendances ... 34,615
 Average attendance per child ... 4.6

Disease	Paisley	Greenock		Barrhead	Renfrew	Johnstone	Port-Glasgow	Gourock	TOTALS
		Brynmor Street	Sinclair Street						
Ringworm, Scalp :-	4	—	—	3	—	1	—	—	8
X-Ray Treatment,	2	3	1	8	—	1	1	2	18
Other Treatment,	29	42	18	—	—	6	27	1	123
Ringworm, Body,	90	82	55	64	32	41	49	9	422
Scabies	119	55	42	20	49	41	46	12	384
Impetigo, Head	243	171	142	86	79	104	205	27	1,057
Impetigo, Body	53	39	6	1	7	7	—	2	115
Eczema	800	195	175	346	563	579	1,204	92	3,954
Septic Sores	105	9	8	5	36	26	33	2	224
Herpes	4	10	1	1	4	1	—	—	21
Psoriasis	4	2	—	4	3	1	—	—	14
Seborrhoea	3	10	2	—	—	1	1	—	17
Alopecia	47	14	1	11	—	10	—	—	84
Dermatitis	—	1	—	—	—	—	—	—	1
Lupus	—	1	—	—	—	—	—	—	1
Favus	—	—	—	—	—	—	—	—	—
Other Diseases	218	319	145	124	112	85	72	14	1,089
Total Cases	1,721	953	596	673	885	904	1,639	161	7,532
Total Attendances	4,749	4,515	2,636	4,315	4,140	4,781	8,778	701	34,615

EAR, NOSE, AND THROAT SPECIALISTS' REPORT.

Ear, Nose, and Throat Clinics are held weekly in Paisley, Greenock, and Port Glasgow, and once a month at Renfrew, Barrhead, and Johnstone. Periodic visits are also paid to the classes for the Deaf in Paisley and Greenock.

The scheme of work in the Ear, Nose, and Throat Clinics comprises—

1. The examination and advice on the removal of causes of general disease found in the ear, nose, and throat.
2. The diagnosis, prognosis, and treatment of deafness in school children.

Under the first group are those children who are suffering from disease in the nose, throat, or ear, and whose general health is being undermined.

The second group consists of those children who have a degree of deafness which may be lessened by treatment, operative or otherwise, and whose disability must be catered for by special educational methods. In this group are the cases of suppurative otitis (running ears), who, if left untreated, may become for ordinary everyday purposes deaf, and who may at any time become seriously and even fatally ill. Hence efficient treatment of these conditions is imperative. This postulates the willing and intelligent co-operation of parents.

The absence of full facilities for operative treatment has, unfortunately, given rise to a waiting list of some hundreds for tonsilleectomy, but this may be rectified in the near future.

There is evident in recent times a tendency to seek advice earlier for treatment of otitis and deafness, and this must be of great value to the child in later life.

The numbers attending the clinics are increasing, and the results of this regular attendance for treatment are evident in the improvement of those who have already had their handicap in life through deafness lessened.

This happy state of affairs has been brought about by the co-operation of the parents and the willing efficiency of the nurses who carry out the prescribed treatment.

Details of the Clinic are given in the table following:—

Diseases	Paisley	Greenock	Barrhead	Renfrew	Johnstone	Port- Glasgow	Gourock	TOTAL
Otorrhoea and Otitis Media, ...	76	59	5	2	6	20	2	170
Enlarged Tonsils and Adenoids,	227	272	19	81	27	101	8	735
Cerumen, ...	24	30	—	—	—	6	—	60
Rhinitis, ...	10	24	5	2	10	2	—	53
Tonsillitis, ...	4	6	5	1	1	2	—	19
Other Conditions, ...	77	68	11	18	16	28	—	218
Total Cases, ...	418	459	45	104	60	159	10	1,255
Total Attendances, ...	526	705	147	179	155	251	10	1,973
Operations Advised, ...	202	275	47	85	30	126	8	773

Nose and Throat Operations completed ... 232

EYE SPECIALIST'S REPORT.

The Eye Clinics are held once weekly at Paisley and Greenock, and once monthly at Johnstone, Port Glasgow, Barrhead, and Renfrew.

Children are examined there who, in the course of routine medical inspection, have been found to be suffering from ocular abnormalities, or from defective vision. It has to be remembered that errors of refraction (requiring correcting glasses) are not necessarily incompatible with normal vision, so that it is the practice of school medical officers and nurses to refer to the clinic any child who complains of headache, or shows any other signs of eye-strain. Children have great powers of "accommodation," and can only be properly tested when their eyes are under the influence of a mydriatic (eye drops). Where young children are found to require glasses, these are prescribed directly from objective examination, without any reliance being placed on their ability to read letters from a card.

The great majority suffer from refractive errors only. Other common conditions are strabismus (squint), opacities of the cornea, and congenital eye defects.

Most of the children referred to the clinics are hypermetropic (long sighted) or astigmatic. A few suffer from myopia (short sight). This is often hereditary, and especially if of a high degree apt to be progressive, with consequent further deterioration of vision. These cases are advised to attend one of the "Sight-Saving" classes in Greenock or Paisley, where special facilities exist to obviate any eye-strain, particularly the avoidance of "near" work. Periodic visits are made to these classes in order to maintain contact with these children.

The number of cases per clinic is increasing. This is doubtless due to greater advantage being taken by parents of the specialist facilities offered, rather than to any increased incidence of eye defects in school children.

Details are given in the following Table 6 B.

6 B.—SPECIALIST'S OPHTHALMIC CLINIC.

27

TABLE showing (1) Total Number Treated.
(2) Number Treated by Glasses.
(3) Number Otherwise Treated.

	Number of Children Examined		Number of Re-Visits		Total Attendances	Number of Glasses Ordered	Number Otherwise Treated
	Boys	Girls	Boys	Girls			
Paisley	192	161	26	43	422	301	1
Greenock	153	179	54	84	470	289	43
Port-Glasgow	45	58	10	16	129	85	18
Barrhead	43	46	2	1	92	64	8
Johnstone	52	62	25	37	176	80	17
Renfrew	28	49	13	25	115	54	34
Total	513	555	130	206	1,404	873	121

8. SPECIAL SCHOOLS AND CLASSES.

The following Special Schools are under the jurisdiction of the Education Committee of the Renfrew County Council:—

					No. on Roll	
					Boys	Girls
Sandyford School, Paisley.						
Physically Handicapped	...	...			70	56
Mentally Handicapped	...	...			172	98
Laighpark School, Paisley.						
Blind	...	...	...	...	5	7
Sight-Saving	...	...	...		14	14
Gateside School, Paisley.						
Deaf Mute and Defective Hearing					19	8
Glenburn School, Greenock.						
Physically Handicapped	...	...			58	43
Mentally Handicapped	...	...			112	59
Sight-Saving	...	...	...		4	15
Garvel School, Greenock.						
Deaf Mute and Defective Hearing					7	8
Epileptic Colony School,						
Bridge of Weir.	...	...	...		22	20

21 Physically handicapped children were rendered fit enough to be returned to the ordinary schools during the year.

6 D.—TABLE OF REMEDIAL EXERCISES TREATMENT.

30

	Examined.	Advised Treatment.	Treatment continued from last year.	Treated	Number of Attendances.	Passed out as improved enough to benefit from school gymnastics alone.	Still receiving treatment.
Paisley	349	89	94	154	2,658	58	96
Greenock	—	—	—	—	—	—	—
County	—	—	—	—	—	—	—
Johnstone	28	21	5	19	511	12	7
Total	377	110	99	173	3,169	70	103

SKIN SPECIALIST'S REPORT.

The number of cases attending the clinics has steadily increased, the increase being noticed in Greenock before Paisley. This increase has been largely due to return cases, the number of new cases keeping fairly constant. During the last six months, an attempt has been made to reduce the number of attendances per case. This mounting figure of return cases is due to the fact that many diseases of a chronic nature have been seen where a follow up is desirable, such as infantile eczema, atopic eczema, and psoriasis. It is my experience that in skin clinics there is this tendency to develop a core of chronic cases, and here we have no exception to the rule.

The clinic has in many instances acted as a filter for cases requiring specialised treatment, and I have made arrangements for such treatment as desiccation of nævus (birth mark), fractional X-ray therapy, and X-ray epilation for ringworm of the scalp.

It is, I feel, in the diagnosis of the acute condition, and in the selecting of cases for specialised treatment, that the future holds most promise. The treatment of the chronic case is not really satisfactory, and presents a difficult problem. It is probably advisable for the children to attend a centre for dressings, possibly twice a day, and that no treatment is attempted at home. The application of the dressing is more important than its nature. With the time available, their attendance at the above clinics must be limited. The chronic cases move from centre to centre in a vain attempt to find a quick cure, and any new clinic opening is an immediate attraction. The number of such cases is likely to diminish gradually.

Particulars of the numbers attending the clinic are given in the table following.

SPECIALIST'S SKIN CLINIC.

32

Total number treated, ... 184
Total number of attendances, ... 677

	Paisley	Greenock	Barrhead	Renfrew	Johnstone	Port-Glasgow	Gourock	TOTALS
School Age, ...	41	41	11	6	12	18	1	130
Child Welfare, ...	5	22	5	4	9	2	—	47
Ante-Natal, ...	1	6	—	—	—	—	—	7
Total, ...	47	69	16	10	21	20	1	184

ORTHOPÆDIC SPECIALIST'S REPORT.

During the past year, Orthopædic Clinics have been developed in Paisley and Greenock. These are held at regular intervals, and the treatment prescribed is carried out by an Orthopædic Physiotherapist who has been appointed to the County staff during the current year.

The types of cases under treatment are those with both congenital and acquired deformities, and treatment has consisted in the application of corrective plaster splintage, fitting with suitable ambulatory splintage where required, and instruction in corrective exercises where there is any postural defect.

The recent epidemic of infantile paralysis has left an increasing number of cases requiring this specialised supervision, and arrangements have been made to have these attend at regular intervals at Clinics near the patient's own homes, where treatment can be carried out as required.

Where operative treatment is required, facilities have been made at the Regional Orthopædic Hospital at Philipshill by arrangement with the Victoria Infirmary, Glasgow. At the Orthopædic Hospital a school teacher is available to continue the education of the school child whilst in Hospital.

It is hoped to open a further series of treatment centres as the scheme develops and as the regional requirements in the County become more apparent.

Details are given in the table following:—

DISEASE.	AREA.	Over 5 years.	Under 5 years.	Attendances		Shoes altered.	Plaster of Paris applied.	Splints fitted.	In hospital.	Awaiting hospital treatment.	Still under treatment.	Dis- charged.
				For treat- ment.	At Clint.							
Anterior Poliomylitis	Paisley, ...	8	3	68	20	6	1	5	5	...	9	2
	Greenock, ...	8	2	54	13	7	3	7	4	1	10	...
	Johnstone, ...	1	1	3	7	1	...	1	1	...	2	...
	Renfrew, ...	1	...	5	2	1	...	1	...	...	1	...
Faulty Postures	Barrhead, ...	3	1	14	11	2	1	1	2	...	3	1
	Paisley, ...	3	...	14	7	2	3	1	...	...	3	...
	Greenock, ...	1	...	14	2	1	...	...	...	...	1	...
	Port Glasgow, ...	1	...	...	1	...	...	...	...	...	1	...
Deformities of Feet	Johnstone, ...	1	...	9	1	1	...	...	...	...	1	...
	Renfrew, ...	1	...	7	6	1	...	...	...	...	3	...
	Barrhead, ...	3	...	...	...	...	...	...	...	...	...	...
	Paisley, ...	8	2	43	20	9	1	...	...	...	10	...
Hemiplegia and Spastic Paraplegia	Greenock, ...	10	...	47	12	6	...	...	1	2	10	...
	Johnstone, ...	2	2	9	5	4	1	...	...	...	4	...
	Renfrew, ...	1	...	...	2	1	1	...	1	...	1	...
	Barrhead, ...	2	4	24	10	3	2	...	...	...	6	...
Others	Paisley, ...	1	...	1	2	1	...	1	...	...	1	...
	Greenock, ...	3	...	30	6	1	2	...	1	...	3	...
	Renfrew, ...	...	1	2	1	...	...	...	...	...	1	...
	Barrhead, ...	1	...	...	2	...	...	...	...	...	1	...
Totals	Paisley, ...	...	1	...	1	...	...	1	...	3	5	...
	Greenock, ...	5	...	5	9	...	...	...	...	...	...	1
	Johnstone, ...	1	...	...	2	...	...	...	...	...	...	...
	Paisley, ...	32	7	158	70	20	5	9	6	3	36	3
GRAND TOTAL,	Greenock, ...	41	2	155	67	16	5	9	6	8	42	1
	Port Glasgow, ...	5	...	4	6	1	1	...	1	2	4	1
	Johnstone, ...	8	5	39	20	9	1	2	1	...	12	1
	Renfrew, ...	4	1	13	10	3	1	1	2	...	5	...
GRAND TOTAL,	Barrhead, ...	12	9	73	45	8	9	3	2	2	20	1
	...	102	24	442	218	57	22	24	19	15	119	7

Table showing for each month during session 1947-48 the number of pupils absent through infectious diseases.

A.—Actual Cases.

B.—Contacts.

	September, 1947.		October.		November.		December.		January, 1948.		February.		March.		April.		May.		June.		Actual Cases.	Contacts.	Totals.
	A.	B.	A.	B.	A.	B.	A.	B.	A.	B.	A.	B.	A.	B.	A.	B.	A.	B.	A.	B.			
Scarlet Fever ...	42	28	65	50	66	65	72	54	97	67	75	67	78	65	47	46	37	39	47	36	626	517	1,143
Diphtheria ...	16	19	6	15	3	15	17	17	9	14	9	17	13	12	8	16	11	24	8	28	100	177	277
Enteric Fever ...	—	—	—	—	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	2	2	4
Pneumonia ...	4	1	2	—	4	—	11	2	9	—	3	—	8	2	6	—	5	1	11	—	63	6	69
Measles ...	2	—	20	2	5	2	52	16	286	34	433	100	382	166	127	97	65	43	112	12	1,484	472	1,956
Whooping Cough ...	52	80	13	7	7	6	9	7	8	5	4	11	13	9	4	1	3	1	5	1	118	125	243
Chickenpox ...	27	20	75	52	168	71	270	78	426	135	348	214	319	97	199	76	125	49	177	1	2,134	793	2,927
Mumps ...	169	91	370	181	510	380	533	326	444	225	352	128	420	174	161	48	132	38	68	1	3,159	1,592	4,751
Scabies ...	21	—	57	1	40	—	15	—	26	—	56	—	51	—	18	—	16	—	26	—	326	1	327
Others ...	26	35	39	22	24	6	20	8	29	7	20	2	30	30	27	22	20	12	20	3	255	147	402
Totals ...	359	274	647	330	828	546	1006	509	1334	487	1300	539	1314	552	597	306	414	207	474	82	8,267	3,832	12,099

FINDINGS OF MEDICAL INSPECTION.

NURSERY SCHOOLS

No. examined—76.

					No. of Defects.	%age.
4. SKIN—						
(a) Head—						
Other Diseases ...	...	...	...	...	1	1·31
5. NUTRITION—						
Slightly defective ...	...	...	...	...	1	1·31
6. MOUTH AND TEETH—						
Unhealthy ...	...	...	...	...	2	2·63
7. NASO-PHARYNX—						
(a) Nose—						
(ii) Obstruction (probably adenoids) requiring operative treatment ...					2	2·63
(iii) Other Conditions ...	...	...	...	...	5	6·57
(b) Throat—						
(i) Tonsils requiring observation ...					8	10·52
(c) Glands—						
(i) Requiring observation ...	...	...	...	...	4	5·26
8. EYES—						
(a) Conjunctivitis ...	...	...	...	...	1	1·31
Other Diseases ...	...	...	...	...	1	1·31
9. EARS—						
(a) Otorrhœa ...	...	...	...	...	1	1·31
13. LUNGS—						
Chronic Bronchitis ...	...	...	...	...	1	1·31
Other Diseases ...	...	...	...	...	3	3·94
14. DEFORMITIES—						
(a) Congenital ...	...	...	...	...	1	1·31

Nursery Schools.**F. Heights (in inches)—Boys.**

Average Age	...	...	...	...	4. 9 12
Number Examined	...	...	...	...	38
Average Height	...	...	...	...	41.1

F. Weights (in pounds)—Boys.

Average Age	...	...	...	...	4. 9 12
Number Examined...	...	...	...	...	38
Average Weight	...	...	...	...	40.3

F. Heights (in inches)—Girls.

Average Age	...	...	...	...	4. 9 12
Number Examined...	...	...	...	...	38
Average Height	...	...	...	...	40.7

F. Weights (in pounds)—Girls.

Average Age	...	...	...	...	4. 9 12
Number Examined...	...	...	...	...	38
Average Weight	...	...	...	...	37.7

Total examined at all ages—76.	Boys.		Girls.		Total.	
Nature of Defect.	No. 38	Percentage.	No. 38	Percentage.	No. 76	Percentage.
4. SKIN—(a) Head—Other Diseases ...	1	2.63	—	—	1	1.31
5. NUTRITION—Slight	1	2.63	—	—	1	1.31
6. MOUTH and TEETH UNHEALTHY ...	—	—	2	5.27	2	2.63
7. NASO-PHARYNX:						
(a) Nose—						
(ii) Obstruction (probably adenoids)...	1	2.63	1	2.63	2	2.63
(iii) Others	2	5.27	2	5.27	4	5.26
(b) Throat—						
(i) Tonsils requiring observation, ...	6	15.78	3	7.89	9	11.84
(c) Glands—						
(i) Require observation	3	7.89	—	—	3	3.94
8. EYES:						
(a) External Diseases—						
Conjunctivitis	1	2.63	—	—	1	1.31
Other Diseases	—	—	1	2.63	1	1.31
9. EARS—Otorrhoea	1	2.63	—	—	1	1.31
13. LUNGS—Chronic Bronchitis	1	2.63	—	—	1	1.31
Other Diseases	2	5.27	1	2.63	3	3.94
14. DEFORMITIES—(a) Congenital ...	1	2.63	—	—	1	1.31

Classification			No. of children	Percentage of the children examined at systematic medical examination
I.	Children free from defects	... ..	53	69.74
II.	Children (otherwise free from defects) who suffer from :— (a) Defective vision not worse than 6/12 in the better eye with or without glasses (b) Conditions of the mouth and teeth requiring treatment ...	... .. ... .. ... ..	— 1	— 1.31
III.	Children suffering from ailments (other than those mentioned in II) from which complete recovery is anticipated within a few weeks ...	...	21	27.64
IV.	Children suffering from (or suspected to be suffering from) defect less remediable than defects specified in II or III, distinguishing cases :— (a) Where complete cure or restoration of function (in the case of eye defect, full correction) is considered possible ...	... .. ... ..	1	1.31
Total number examined			76	100.00